

TABLE 1

**Discharges and Releases
Pennsylvania Operations
April 2006 to May 2011**

DATE OF INCIDENT	County & State	Facility (Well Name)	Material Released	Estimated Volume Released	Media Impacted
3/18/11	Susquehanna County, PA	W. Brooks 1H-5H	Lignite and/or Unused Drilling Mud	Unknown	Soil
2/7/11	Susquehanna County, PA	Hull 1H	Production Fluid	0.5 bbls	Soil
10/29/10	Susquehanna County, PA	Jean Balsure 6H	Drilling Mud	Unknown	Soil
9/28/10	Susquehanna County, PA	Rozell 2H/3H (Leased Road)	Diesel Fuel	5 Gallons	Soil
9/8/10	Susquehanna County, PA	J. Cerson 1H/3H	Black Water	Unknown	Soil
3/21/10	Susquehanna County, PA	A&M Hibbard 2H/4H	Black Water	Unknown	Soil, Groundwater, Surface Water
3/10/10	Susquehanna County, PA	Baker 3H	Drill Cuttings/Drilling Mud	Unknown	Soil
2/3/10	Susquehanna County, PA	A&M Hibbard 1H/3H	Drill Cuttings/Drilling Mud	Unknown	Soil, Groundwater, Surface Water
1/11/10	Susquehanna County, PA	Hull 1H	Brine Fluid	252 GAL	Soil
9/22/09	Susquehanna County, PA	Heltsman 4H	Hydrofracturing Fluid	420 GAL	Soil and Surface Water
9/16/09	Susquehanna County, PA	Heltsman 4H	Hydrofracturing Fluid	1,050 - 2,100 GAL	Soil and Surface Water
9/16/09	Susquehanna County, PA	Heltsman 4H	Hydrofracturing Fluid	5,880 GAL	Soil and Surface Water
8/27/09	Susquehanna County, PA	Severcool 2H	Drilling Mud	1,050 GAL	Soil
6/18/09	Susquehanna County, PA	Brooks 1H	Slick Water/Hydrofracturing Fluid	500 - 1,000 GAL	Soil
5/6/09	Susquehanna County, PA	Heltsman 2V	Drilling Mud	630 - 1,050 GAL	Soil and Surface Water
2/19/09	Susquehanna County, PA	Severcool 1V	Drilling Mud	5,040 - 6,950 GAL	Soil
9/19/08	Susquehanna County, PA	Black 1H/2H	Drill Cuttings/Drilling Mud	Unknown	Soil, Groundwater, Surface water
8/20/08	Susquehanna County, PA	Lewis 1	Hydrofracturing Fluid	Unknown	Soil
6/3/08	Susquehanna County, PA	Teel 5H	Diesel Fuel	600 - 800 Gallons	Soil and Surface Water

TABLE 2

**Potential Discharges and Releases
Pennsylvania Operations
April 2006 to May 2011**

DATE OF INCIDENT	County & State	Facility (Well Name)	Material Released	Estimated Volume Released	Media Impacted
11/18/09	Susquehanna County, PA	A&M Hibbard 2H	Drilling Mud	< 2 GAL	Soil
11/4/09	Susquehanna County, PA	Brooks 4H	Sewage	15 GAL	Soil
9/3/09	Susquehanna County, PA	Gesford 7H	Diesel Fuel	2 GAL	Soil
8/20/09	Susquehanna County, PA	Ely 1	Drilling Mud	1,050 GAL	Soil
8/19/09	Susquehanna County, PA	Gesford 9V	Diesel Fuel	60 - 80 GAL	Soil
7/10/09	Susquehanna County, PA	Teel 5H	Diesel Fuel	Unknown	Soil
7/7/09	Susquehanna County, PA	Lathrop 1V	Drilling Mud	Unknown	Soil
5/31/09	Susquehanna County, PA	Teel 8H	Hydraulic Fluid	600 - 800 GAL	Soil
4/8/09	Susquehanna County, PA	Gesford 1	Drilling Mud	42 - 84 GAL	Soil
3/7/09	Susquehanna County, PA	Gesford 1	Drilling Mud	1,280 GAL	Soil
2/24/09	Susquehanna County, PA	Gesford 3	Drilling Mud	420 GAL	Soil
2/20/09	Susquehanna County, PA	Rozanski 1	Diesel Fuel	5 - 10 GAL	Soil
2/6/09	Susquehanna County, PA	Severcool 1V	Drilling Mud	1,050 GAL	Soil
1/30/09	Susquehanna County, PA	Gesford 3	Diesel Fuel	75 GAL	Soil